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(54) **OPTICAL MATERIAL**

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## (57) Abstract:

PURPOSE: To make it possible to form an optical material having excellent optical properties, low hygroscopicity and good heat resistance, by (co) polymerizing a polar group substituted tetracyclododecene derivative through ring opening.

CONSTITUTION: This optical material is formed from a ring-opening polymer of at least one-tetracyclo[4.4.0.1<sup>2,5</sup>.1<sup>7,10</sup>]-3dodecene derivative or its copolymer with another copolymerizable monomer. In formula I, A<sup>1</sup> and B<sup>1</sup> are each a hydrogen atom or a 1W10C hydrocarbon group, X<sup>1</sup> and Y<sup>1</sup> are each a hydrogen atom, a 1W10C hydrocarbon group, a halogen atom or a halogenated 1W10C hydrocarbon group or the like. Examples of said copolymerizable monomers include bicyclo[2.2.1]-2-heptene derivative having a polar substituent group, of formula II (wherein A<sup>2</sup> and B<sup>2</sup> are each a hydrogen atom or a 1W10C hydrocarbon group, X<sup>2</sup> and Y<sup>2</sup> are each a hydrogen atom, 1W10C hydrocarbon group, a halogen atom, a halogenated 1W10C hydrocarbon group or the like).

